

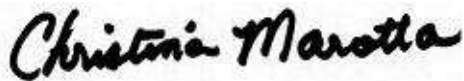
MP Biomedicals, LLC29525 Fountain Parkway
Solon, Ohio 44139Telephone: 440/337-1200
Toll Free: 800/854-0530

Certificate of Analysis

Product Description: N-Acetyl-L-cysteine
Catalog Number: 100098
Lot: M5735**Formula:** C₃H₇NO₃S
CAS #: 616-91-1
Physical Description: White Crystalline Powder**Formula Weight:** 163.2
Storage: +4°C

Test	Specification	Result
Identity Test	Passes	Passes
Purity	≥96%	99.8%
FTIR	Conforms to Standard	Conforms to Standard
Melting Point	105-115°C	107.9 - 108.5°C
Optical Rotation	+21.0° to +27.0°	+24.1°
Moisture	≤1.0%	0.4%
pH (1%aq.)	2.0 - 2.8	2.5

Residue on ignition: 0.26%
Heavy Metals: 0.0008%
Organic Volatile Impurities: Passes
Particle Size: 20 Mesh
Meets USP 30 Standards



12/26/2012 - Christina Marotta
MP Biomedicals, LLC.
Technical Director

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